

GEORGE ENGELMANN  
BOTANICAL NOTEBOOKS

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*Juniperus decurrens* Hamilt June 25 1874  
Ind or. Wallich. - Hb Acad Phil



x2



seed single

leaves in 3's

scales of peduncle & fruit - 2's



0 1 2 3 4 5 6 7 8 9 10

cm

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BOTANICAL  
GARDEN



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18147



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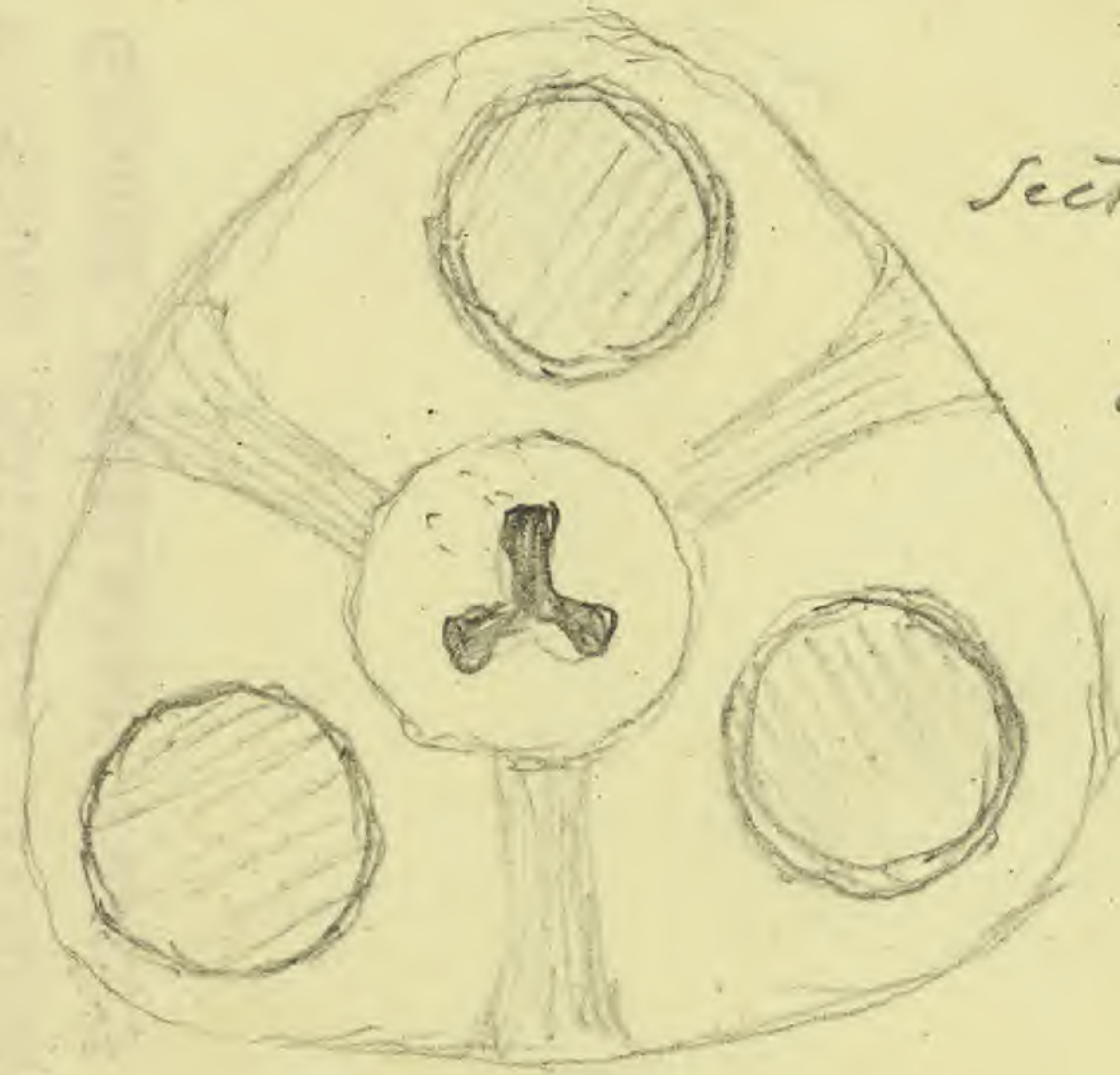
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*Juniper recurva* Hamill

Jun 26 1874

2nd or. Wallis - H. Bond Phil



sect of branchlet  
x60  
wood bundle in centre  
3 resiniferous  
ducts



sect of branchlet  
of *Pallarya*  
cult specimen  
coll May



resiniferous  
duct

base of leaf

x60

stem

future out ducts  
consist of large cells  
which contain no oil yet  
and no doubt are afterwards  
absorbed and compressed  
and form the wall of the  
resin duct



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*South-east corner Fourth and Market Streets,*

**ST. LOUIS.**

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13148



0  
cm

1

2

3

4

5

6

7

8

9

10

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"Juniperus excolsa"

Jun 24 1874

Haage & Schmidt mis 1874

fruit black

x2



seeds 3-6

extremely resinous



3 seeds

x2



6 seeds

x2



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*[Faint pencil sketches of botanical specimens, possibly seeds or fruits, arranged in two rows of four.]*

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"Juniper foetidissima"

June 24 1874

Healy & Schmitt. 1874

Berry black  
scales = 2<sup>s</sup>



x2



x2



Seeds 2-3



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*[Faint pencil sketches of botanical specimens, possibly seeds or fruits, are visible in the background.]*

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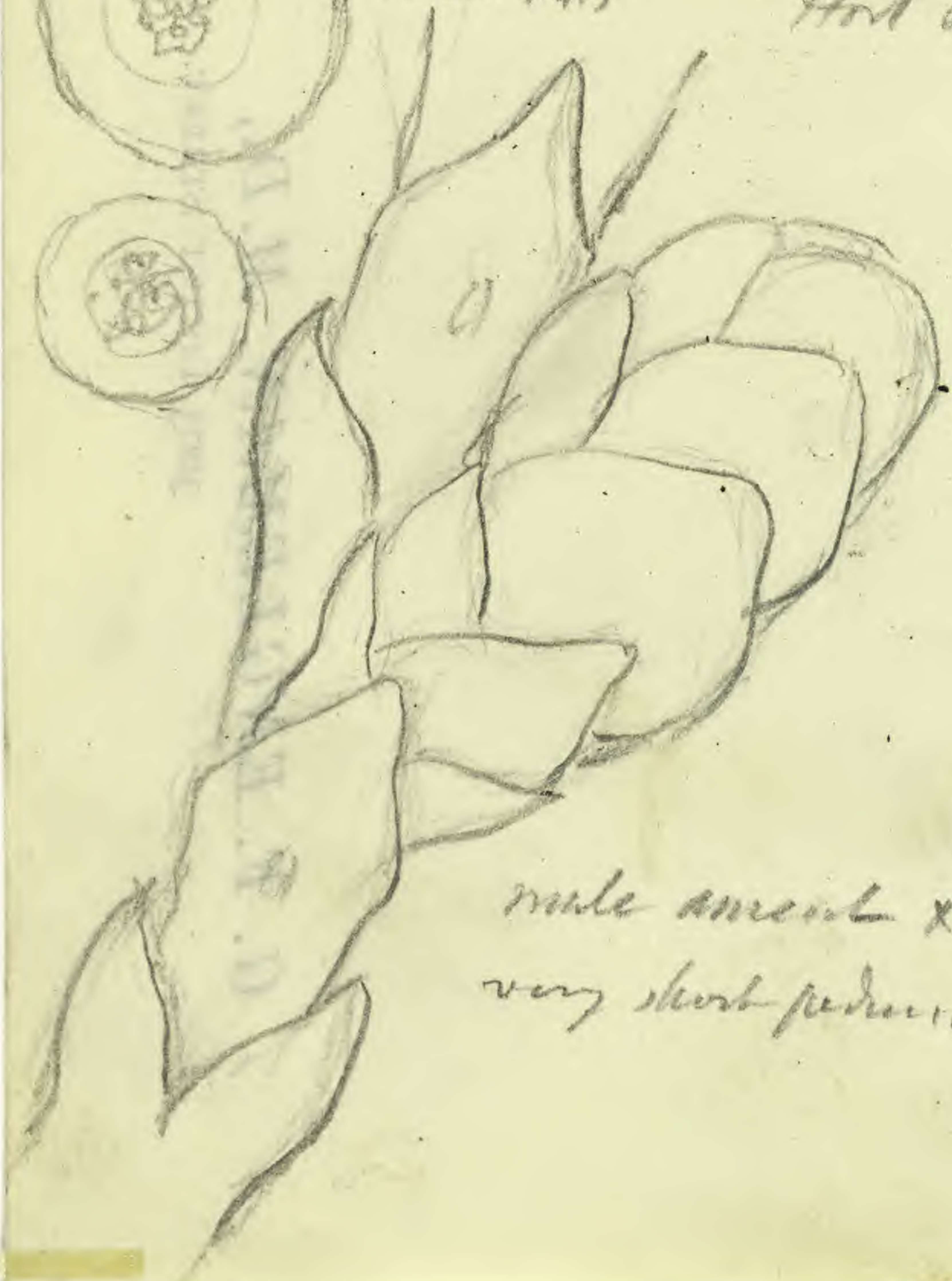


"Juniperus squarrosa"

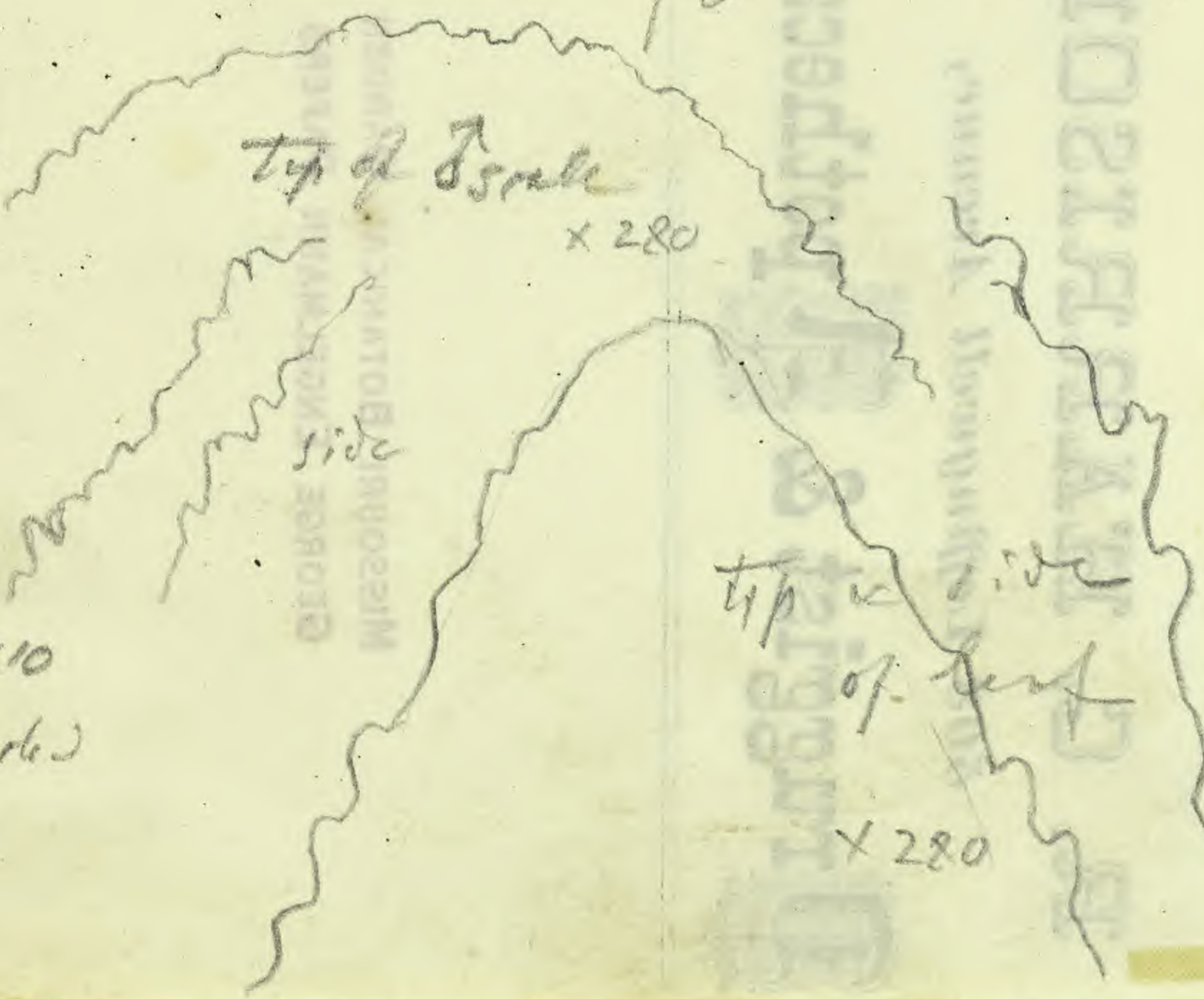
July 3<sup>d</sup> 1874

Pollen x415

Herb Bot. Room. Febr 1869



male ament x10  
very short peduncled



top of scale  
x 280

side

tip of leaf  
x 280

Juniperus?



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cm

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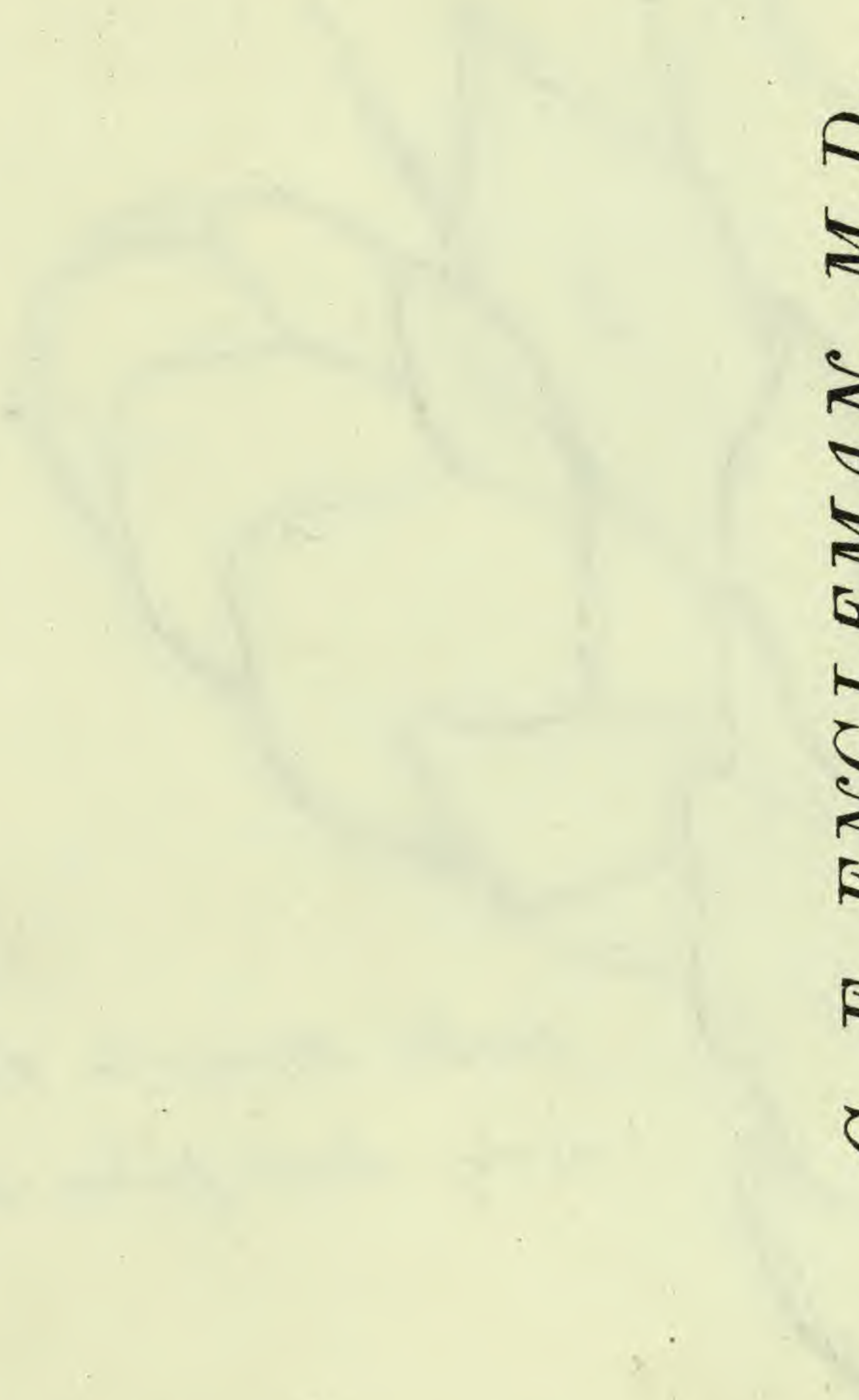
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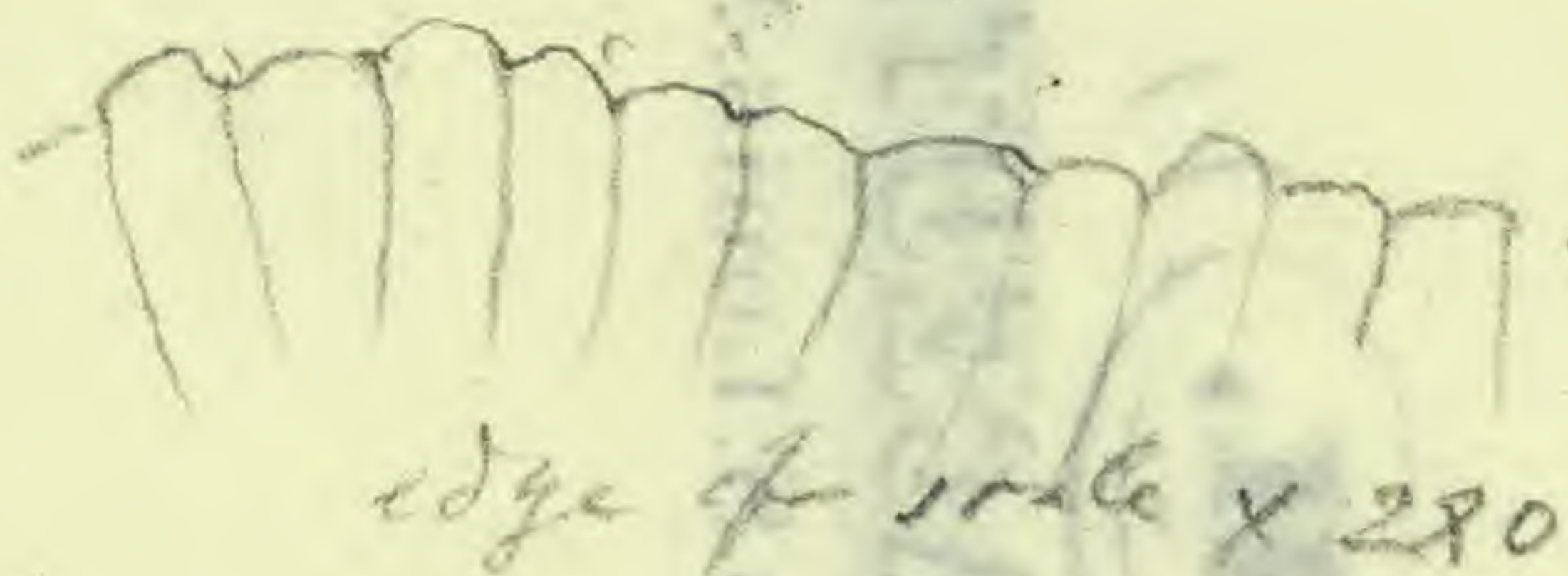
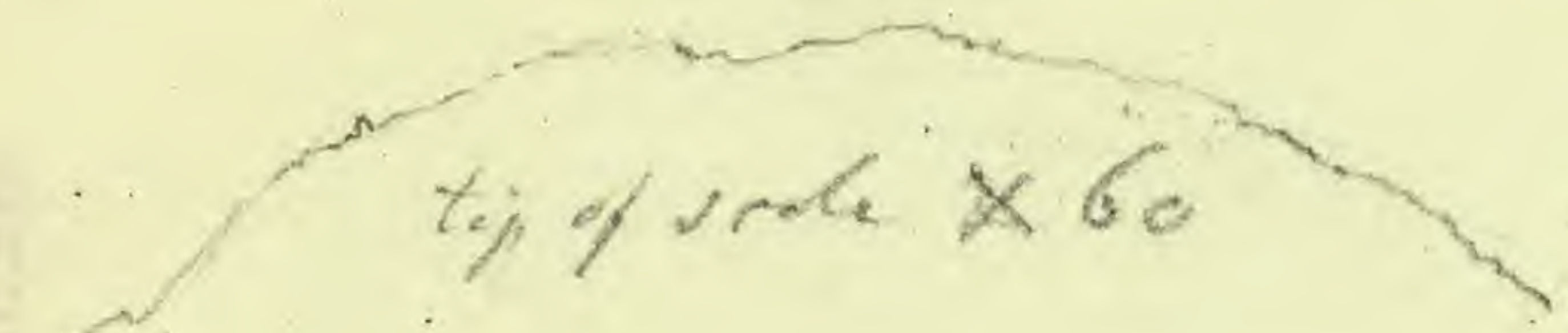


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*Muscipora virginica* (37) Jan 3 1874

Herb. bot. Room Febr 6 1869



$\frac{12.5}{415} = 0.030$

Pollen soaked only a few minutes, some smaller even 0.035



tips of leaves x 60

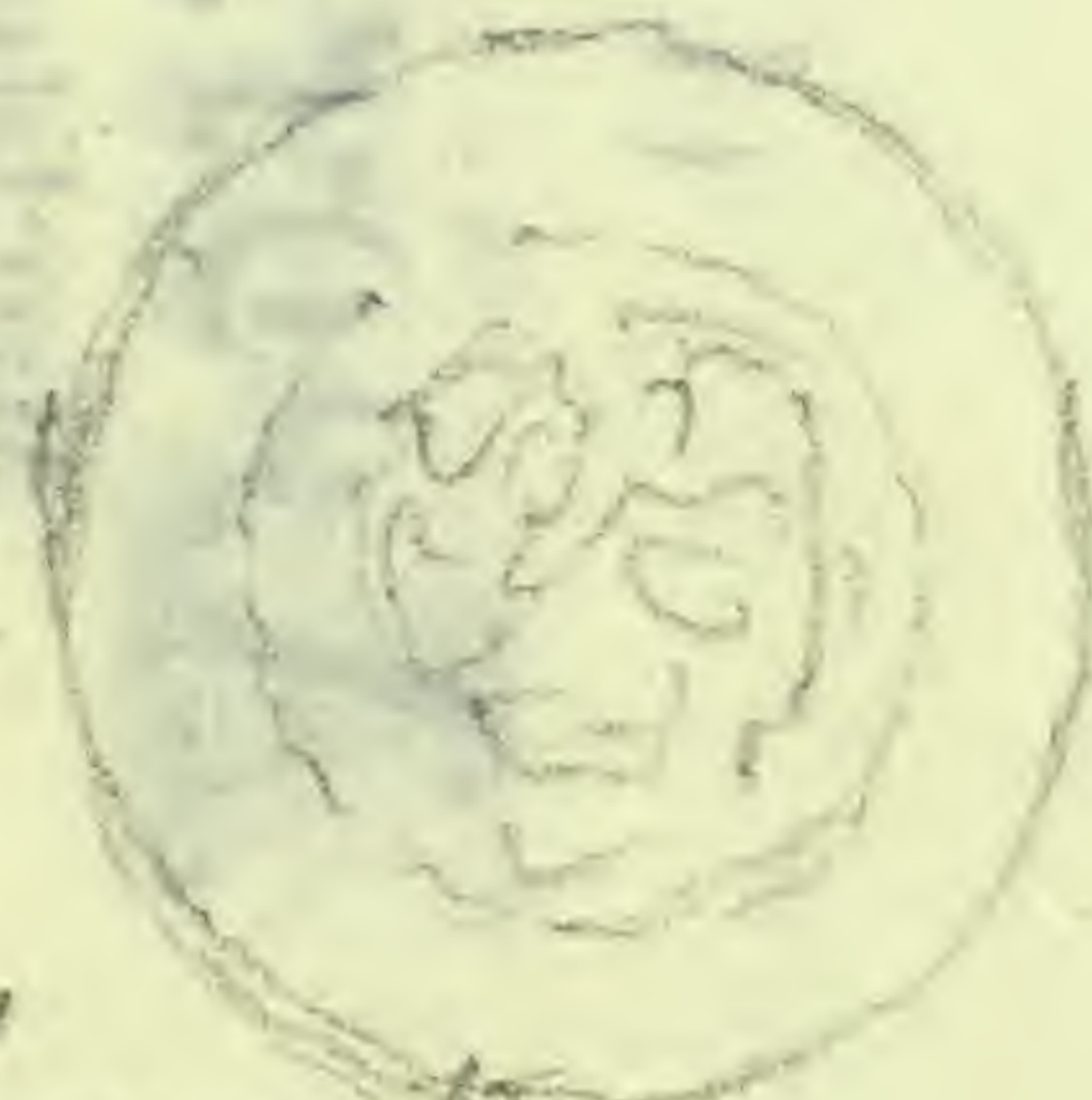


0.022



Pollen

x 415



soaked too long!



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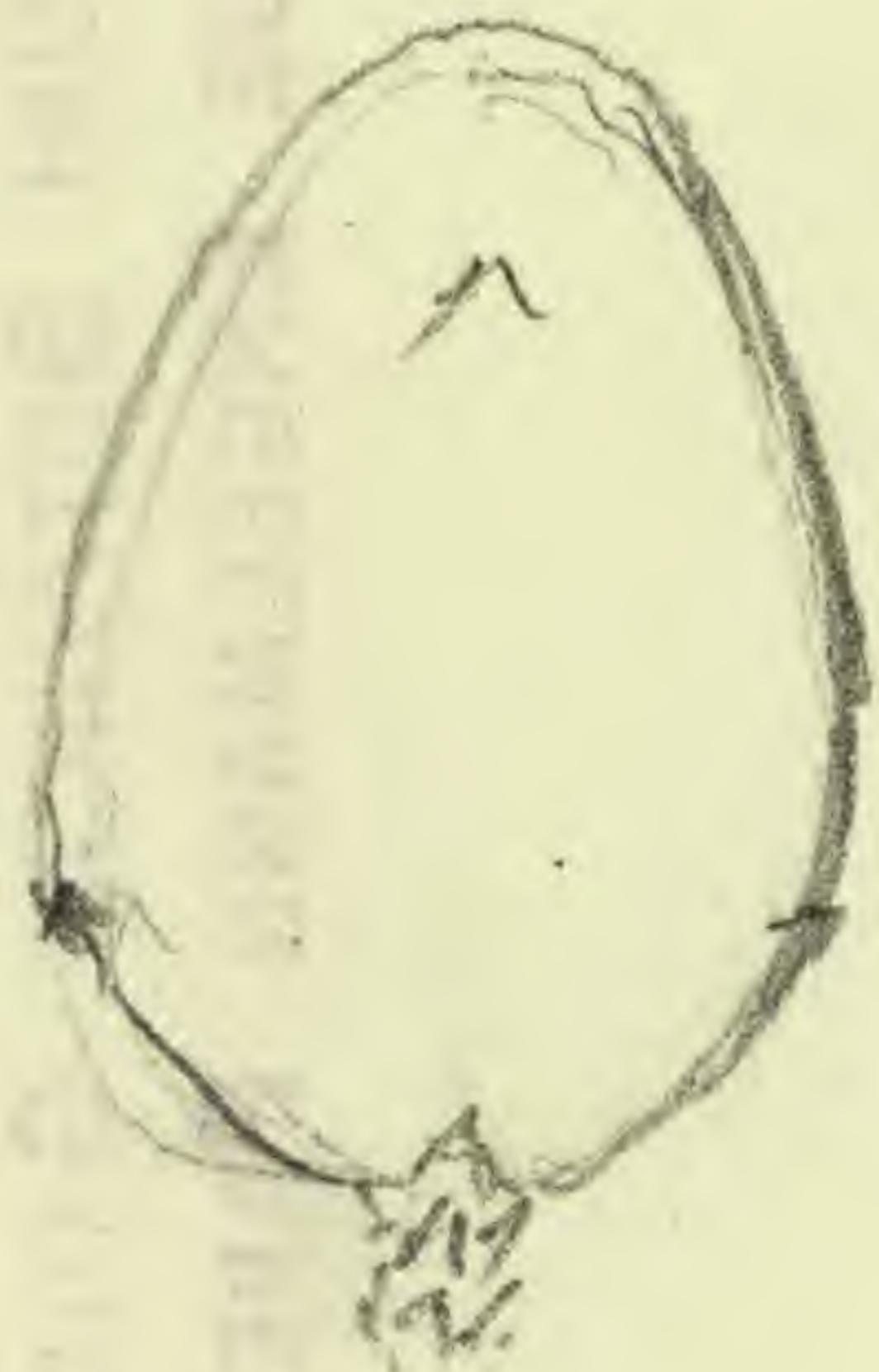
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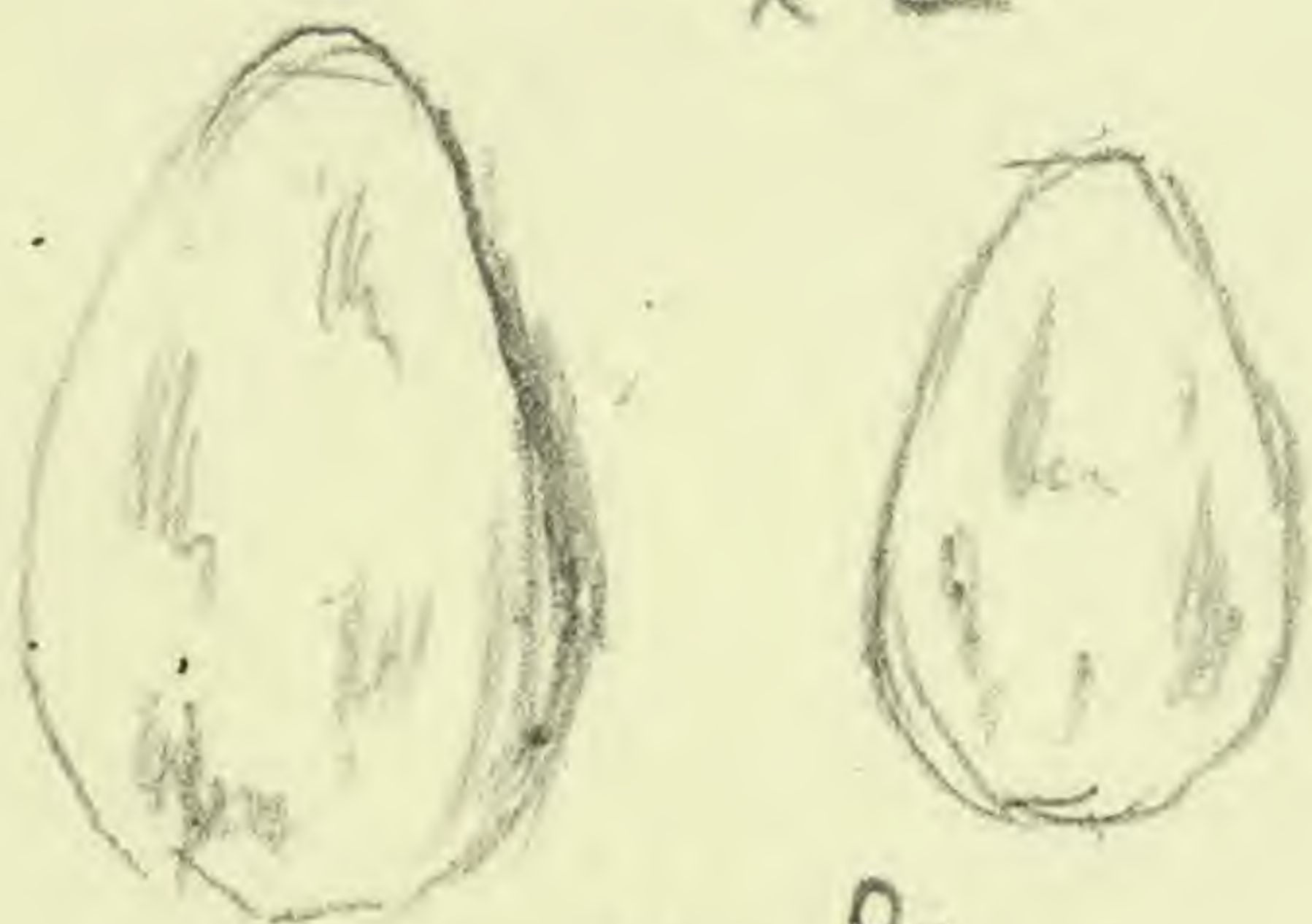
"*J. Walleriana*" Haye & Salm II | June 24 '74

= *Pseudo-sabina* <sup>1874</sup> fide Dr. Poiret

x2



x2



seeds

seeds single



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cm

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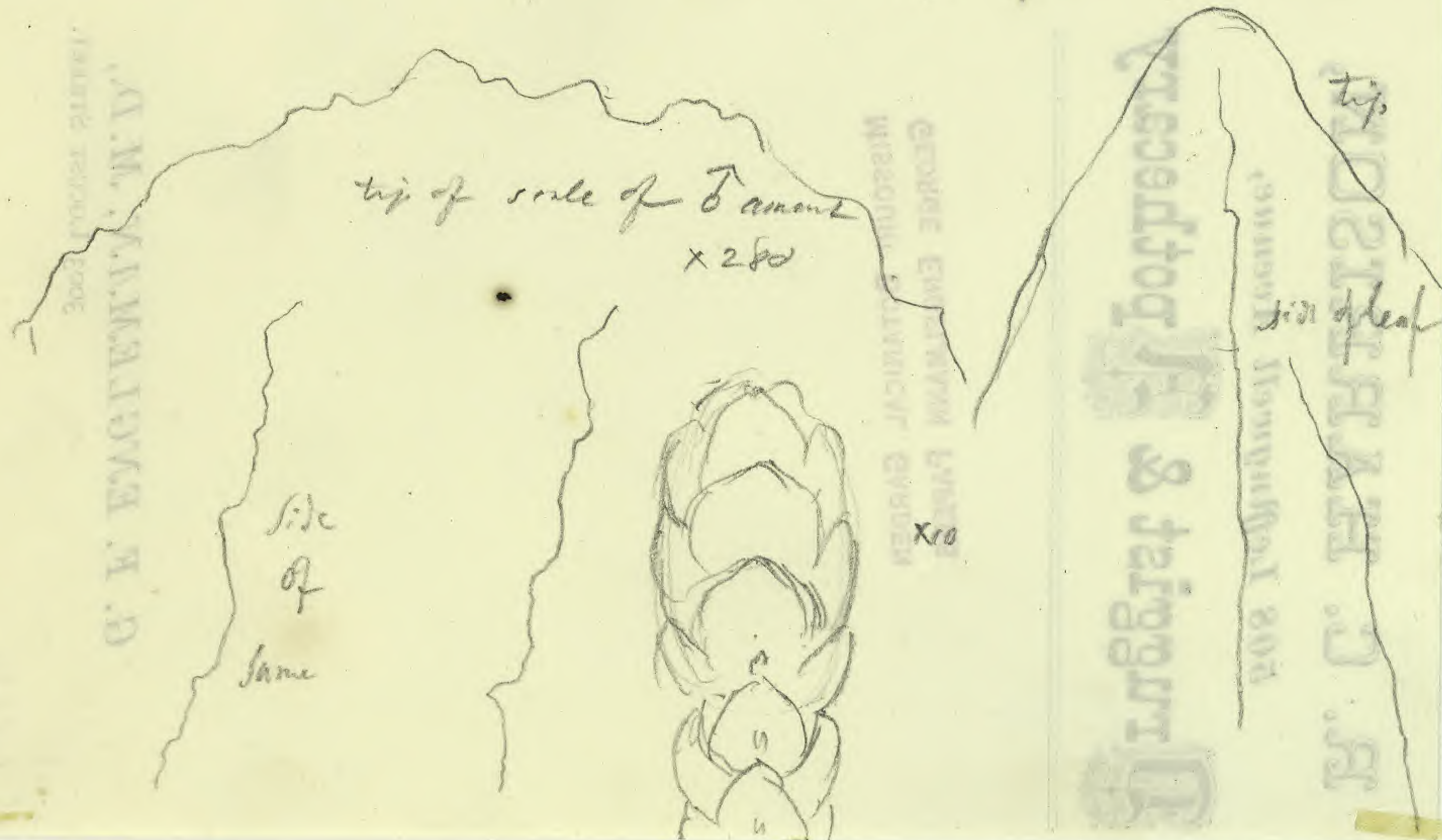


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"Juniperus dealbata"  
Roscoe 1869

July 3<sup>d</sup> 1876



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cm

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"*J. sophera*"

June 24 1874

Haage & Schmidt mis 1874

fruit black  
scales in 2's

seeds 1 or rarely 2



x2



x2



seed smooth  
especially the  
single ones



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cm

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THEIR LOVE OF GOLD, OF THEIR EXTRAVAGANCE.

He spent the night in such bitter reflections, and with the morning light he had as yet formed no plan for his future. He thought he would like to exile himself to some quiet village, there to earn his bread by the labor of his hands, and to dream sweetly of Caroline and Duncan, as of two higher beings amid the millions of false ones.

Etiquette commanded that he should offer his congratulations to the fortunate ones, but Casimir felt too wretchedly disenchanted to keep up any seeming of mere politeness. He wrote to the new President of the Chambers, sent back to him some documents remaining in his care, and took the liberty to inform his whilom patron that he had come to the conclusion of having served the State long time enough, and that herewith he withdrew from all business relations with it.

This off his mind, he threw himself upon the bed, and fell into a refreshing sleep.

#### **A Successful Lecturer.**

MRS F. M. BARCLAY FELCH, after having spent the winter and spring in Chicago as a Home Missionary among the sufferers from the fire, is again in the lecture-field, full of faith and good works. We often hear good things from her and of her. In a recent letter she says: "There has been a good attendance on my lectures here, (Peoria, Illinois,) and in every place which I have visited this summer. A spirit of inquiry is awakened in the minds of

FROM MRS. CHILTON B. ALLEN, M. A., M. D.

#### **IN BERLIN.**

BERLIN as a city presents a fine but rather uniform appearance, the houses being nearly all built after one certain style, and as the majority of people are not property owners, and those who are, are generally landlords, there is no display of individual taste in building and adorning a home, and one plan of building having been found to answer very well the customs and requirements of the people, that plan is almost universally adopted. The result is, that the wide streets are lined with block after block of buildings, large and substantial, but with no distinctive features. But such uniformity is far more agreeable to the eye than the picturesqueness of a hovel and a palace in close proximity. Even the suburbs of the city do not straggle out in low cottages and poor huts, with an occasional fine residence, but the last house on the very outskirts will be a large five-story building, looking more like a palatial residence of some wealthy individual than like the home of a score or more of laborers' families. The description of one house will answer for the description of a hundred. The main entrance is an arched passage-way in the centre of the building, which extends through the whole depth, and is also a carriage entrance, the stairs starting up on either side at right angles to the main hall. It looks quite odd to see a carriage driving out of the front door, as if it might have received its occupants in the parlor. In attempting to make a call upon a family residing

*Swamp Phoenicea*



0 1 2 3 4 5 6 7 8 9 10  
cm

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turn.

After seven months of unremitting labor the purpose of the Commission was achieved, and all returned to the Electoral Capital, there to receive appreciation and fame. The Elector was so well pleased with the work of his faithful servants, that he decorated the President of the Commission with the Order of Merit, and rewarded the old gentleman with a large increase of salary. But poor Secretary Morn was forgotten by them all. He was not even named in the reports, though it had all been the work of his hands.

Only the President Bitterblatt and his father were grateful. Both invited him to dinner often; and *Fraulein* von Bitterblatt, the President's sister, found the young man very agreeable; and if he had not been a commoner, his happiness at her hands would not have failed him. But as soon as the Counsellor observed that the handsome Morn was fast becoming an object of interest to his daughter, he ceased to invite him so often, and at last not at all. Cassimir timidly reminded him of the hope he had given of a lucrative office in the newly acquired lands.

"Let me take care of that," he replied, tapping the Secretary upon the shoulder, in his kindest manner. "I have more than once en-

list of the candidates

was presented; the patents were distributed; and congratulations were the order of the day. Cassimir remained in his room all day; so that by no possibility could he miss the sight of the Electoral messenger. The present to be given for his trouble was carefully counted off, and wrapped in paper, and placed upon the writing desk. The afternoon sped, the evening approached. He sent an attendant to the Count's printing office for the list of names. It contained a number of successful applicants, but the name of Morn was no where to be seen. No messenger came from Electoral quarters to explain the omission. Night set in. The city was in a whirl of pleasure; balls, banquets, and joyous feasts. But the good, true Cassimir was forgotten, as he had always been. He sat in the thought-corner of his sofa, alone and discouraged, and shed tears of bitterest disappointment.

#### SORROWFUL PROSPECTS.

It was a long and sorrowful night for Cassimir; his dearest hopes had forsaken him; hopes that had upheld him during the six years of unremitting toil he had devoted to the service of the State. He had helped others to obtain positions of trust and influence; he had lived upon his own means chiefly; only two

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1815.8



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*J. phacodes*

June 23 1874

Haage & Schmidt's seeds, 1874

x 2



scales - pairs

seeds 4-6 - 10-12

very resinous

(in var pendula, the seeds are larger & fewer 2-3)

x 2



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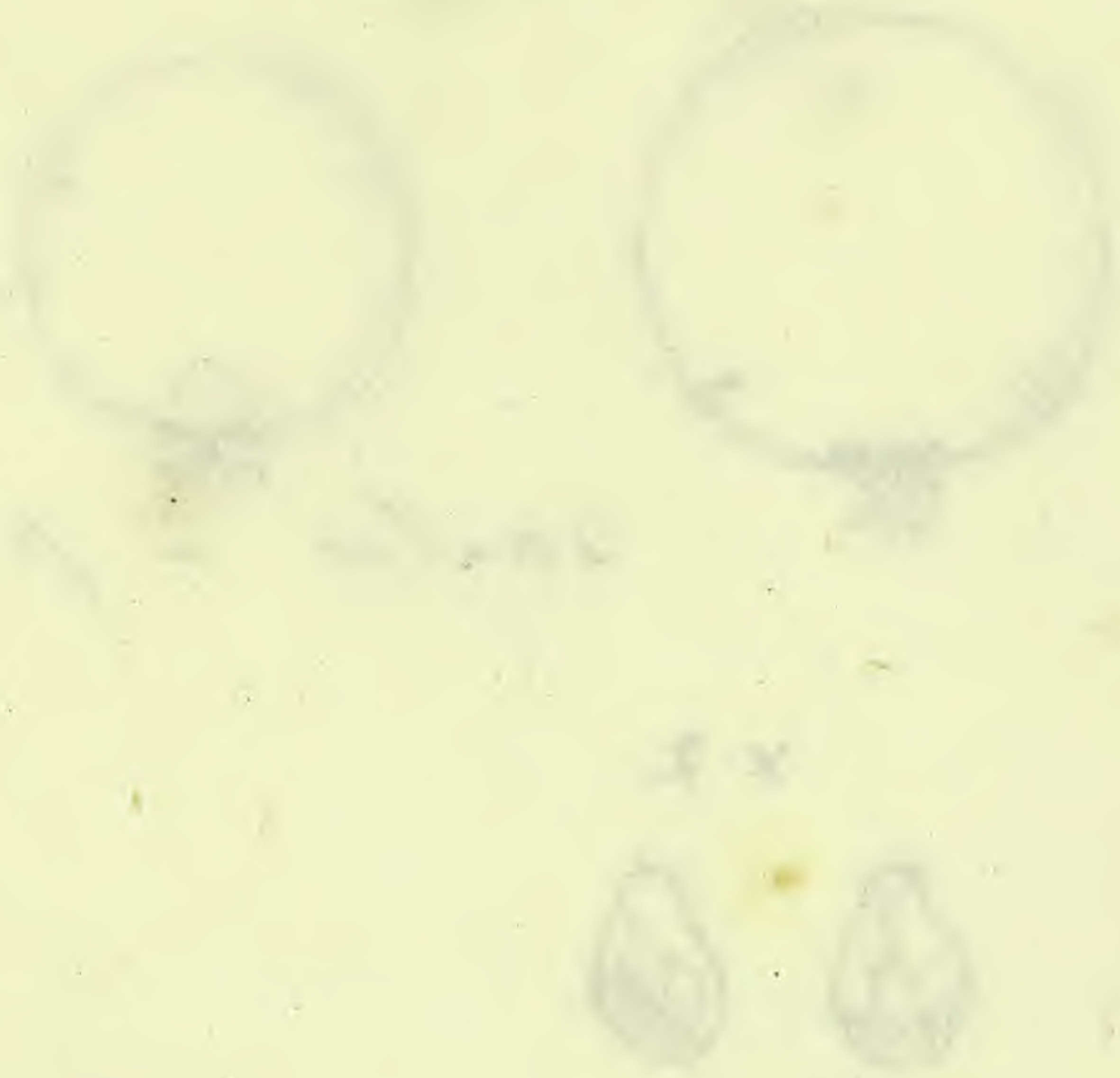
CHEMIST



ALEX. LEITCH,  
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ALL THE NEW REMEDIES  
CONSTANTLY ON HAND

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*Juncip. phoenicea?*

Jan 24 1874

mixed with *J. rufescens*;

Hager & Schmidt mis. 1874.

brown red berry

x 2



seeds 5-7

fruit fibrous  
long oil bags  
just as in the  
fruit of *rufescens*  
with which these  
fruits were mixed

Scales in 2' and therefore  
no doubt distinct from  
*rufescens* and  
scales smooth not knobby



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*[Faint handwritten text, possibly bleed-through from the reverse side of the page]*

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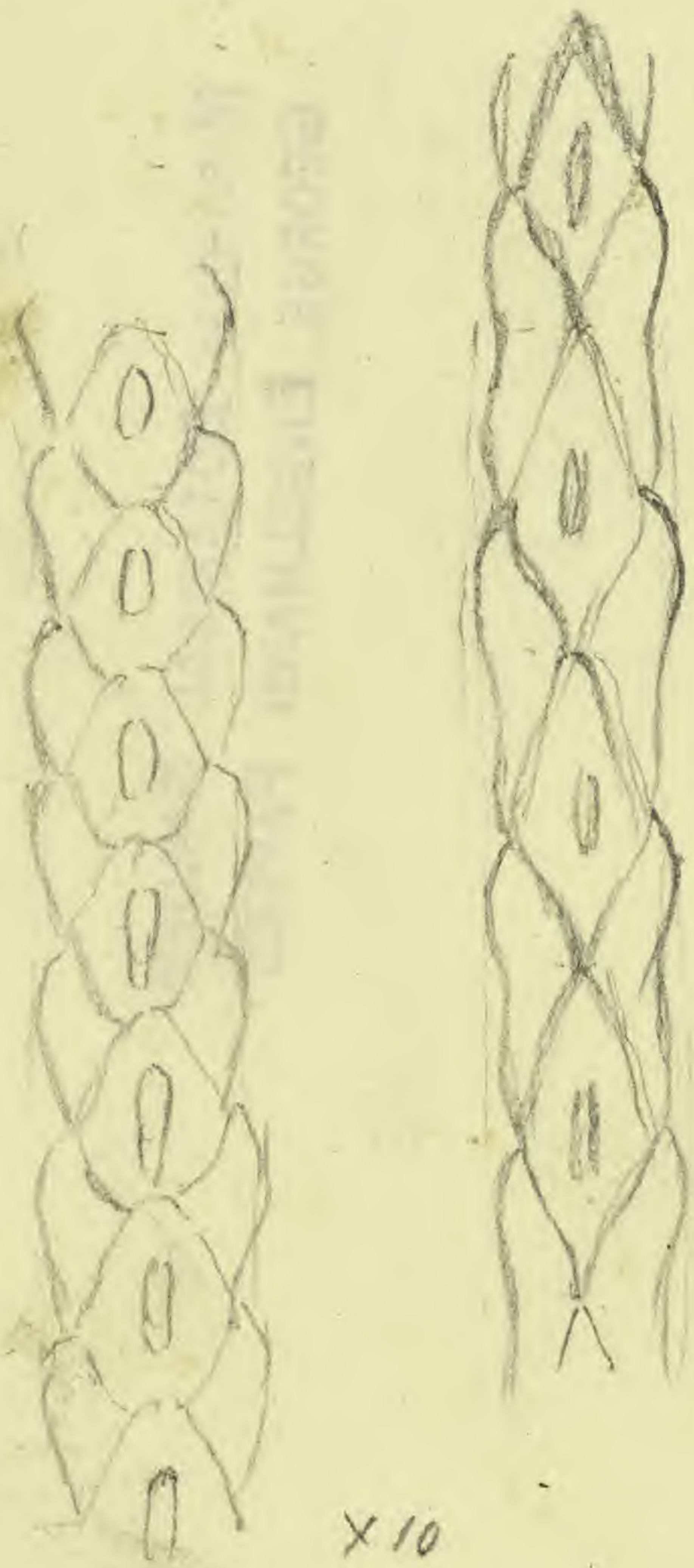
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*J. phoenicea*

Jan 4 1874

Terracina G.E.



x 10

glands large, elongated



tip of leaves

x 60

very slightly  
denticulate



edge of leaf

x 280



x 2



x 2

section

2 seeds

many oil bags



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*J. phoenicea* sub nom Sabine

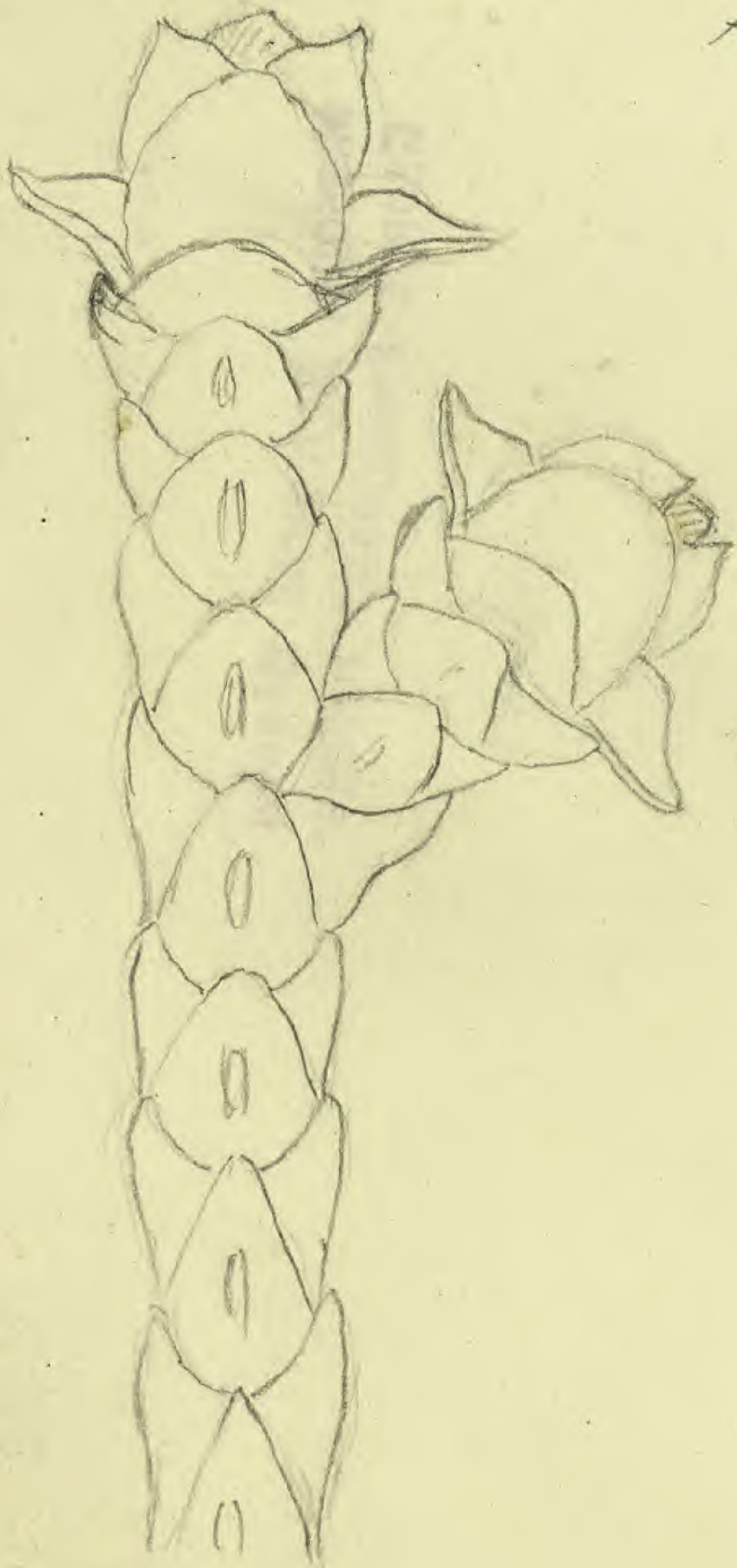
4 Jan 1874

H. Dr. Pisa

mark

Th. Carnel

Miss. ...



tips of leaves x60



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HERBARIUM

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*Juniperus Cabiancae* V. J. June 24 1874

Gray & Schreb. H. Am. 1874

a form of *J. Chinensis* fide H.

x 2



x 2



seed 3-4  
ridged, not rough



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18163



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*Junip Lycia*  
= *phoenicea*

June 25 1874

scales - pairs

mons Cara W. Schimper 1835. Hb HbS. Minn



x 2

seeds 6



x 2



*J. Lycia*

Island of Cherso Hb HbS Minn



x 2

seeds 6



x 2



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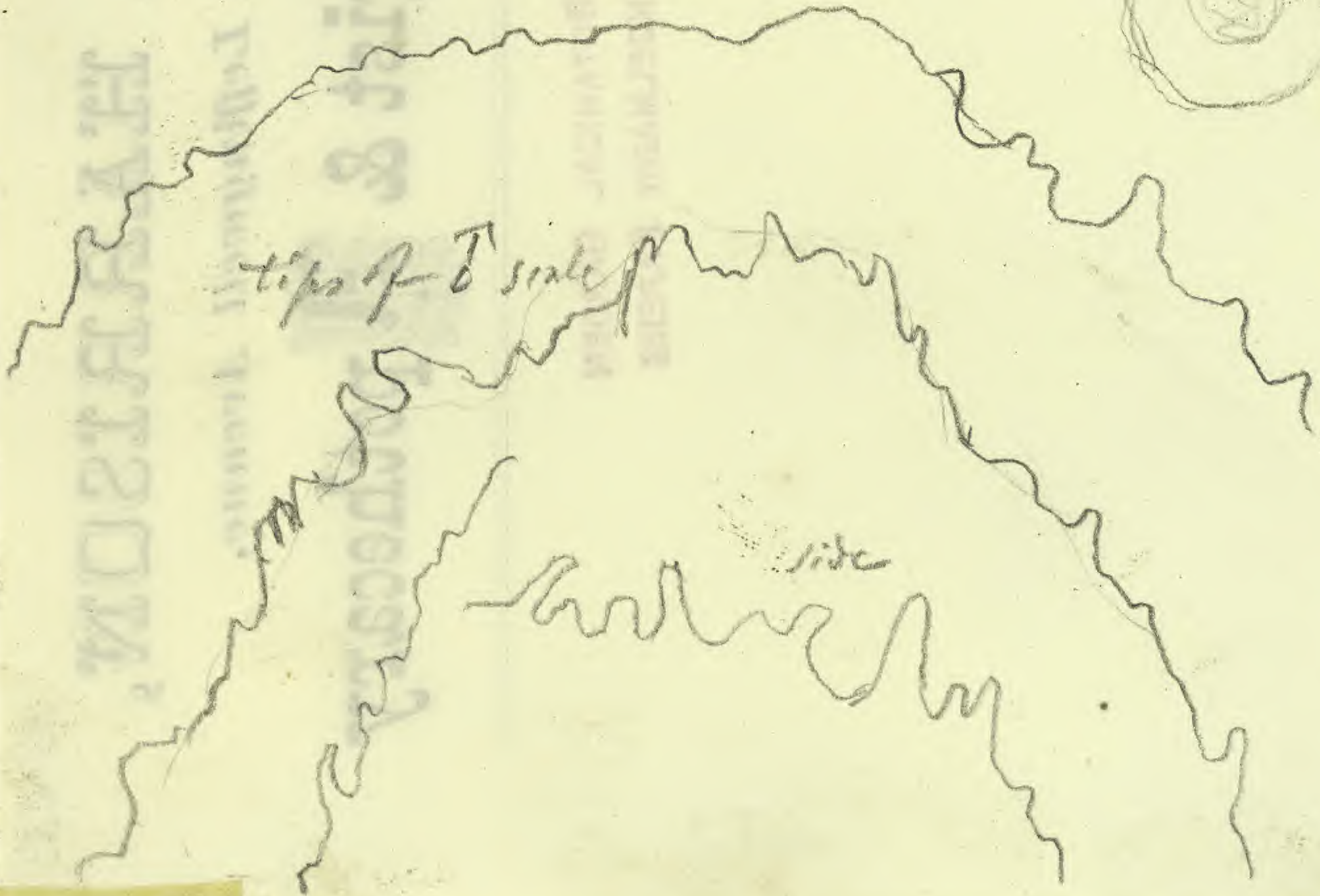
" *Imp. phoenicea*  
*sclerocarpa* "

July 3 1874

H. Bol Newport



Pollen grains  $\times 415$   
of all sizes



tips of  $\sigma$  scale

side



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